NOTICE D'UTILISATION
USER MANUAL

Spy RF Modem

06253E

JRI Maxant, société par actions simplifiée au capital de 4 000 000 €
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I. INTRODUCTION

Congratulations, you own a SPY RF Modem ! This devise is dedicated to communicate wirelessly with the Spy RF recorders range

a. Equipment

- 1 SPY RF Modem
- 1 user manual
- 1 wall-mounting bracket
- 1 USB cable or RS232 cable

b. Symbols

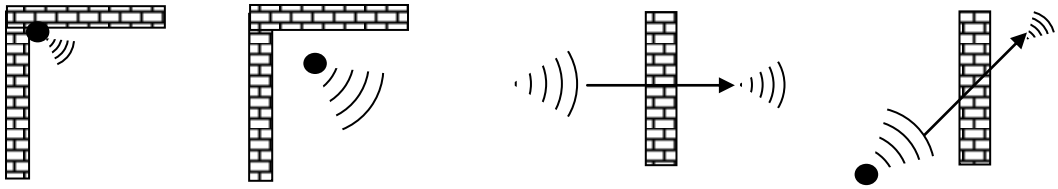
	RECYCLING : do not throw in a rubbish dump or in a domestic waste container. Comply to the regulation to throw away the device.
⎓	*POWER SUPPLY : this device is powered by a cotinuous current delivered by a main power supply adaptor (230VAC). Comply to the security and utilization regulations of electric power. Use a an electric installation complying to these regulations*
CE	*CE MARKING :this equipment is certified to comply with the European regulation for the electric security, inflammability, disturbing radiation emission and immunity to surrounding electric disturbances.*
FC	*FCC ID : 09584* *This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation* *In accordance with FCC requirements, changes or modifications not expressly approved by JRI could void the user's authority to operate this product.* *NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.*

II. INSTALLATION RECOMMENDATIONS

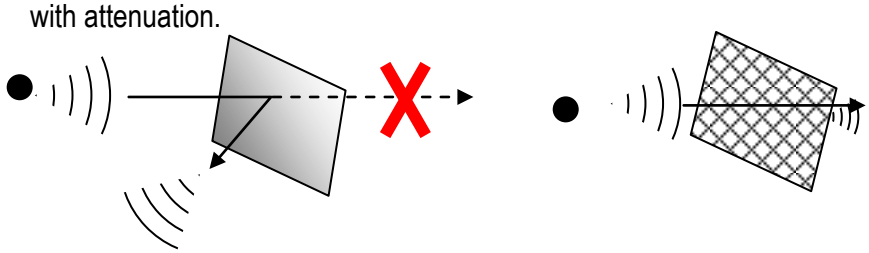
The Spy RF is a recorder of physical parameters able to communicate wirelessly with the operating software SIRIUS. The wireless communication is based on radio frequency. As we are daily in contact with it (radio, TV…) it is easy to think that it always works. This is true if basic rules on the positioning of recorders are respected because wireless communication is subject to perturbations.

a) Perturbations sources

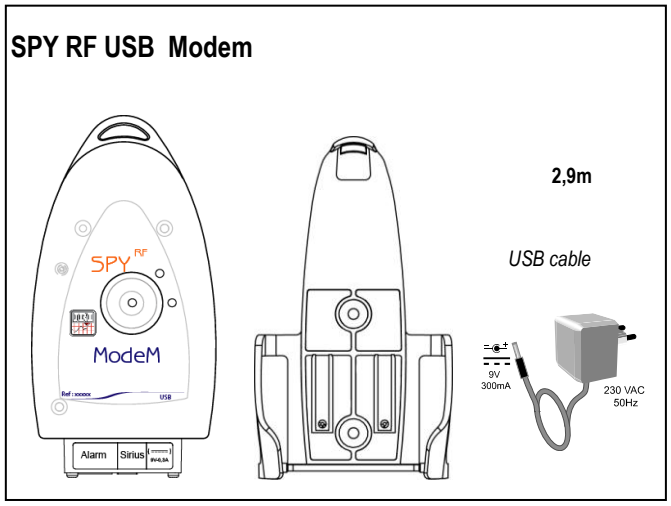
- Presence of obstacles in the way of the waves between the Spy RF ModeM and the Spy Rf (wall, ceiling, person, furniture…) or close to the antenna.
- Obstacles thickness in the way of the waves. The absorption is more important in diagonal as perpendicularly

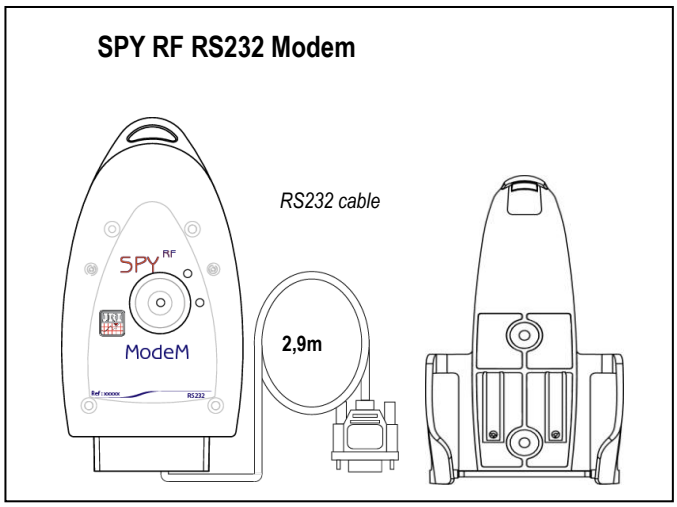


- Waves cannot pass through full metallic walls. On the other hand, a perforated wall allows the waves to pass with attenuation.



III. PRESENTATION



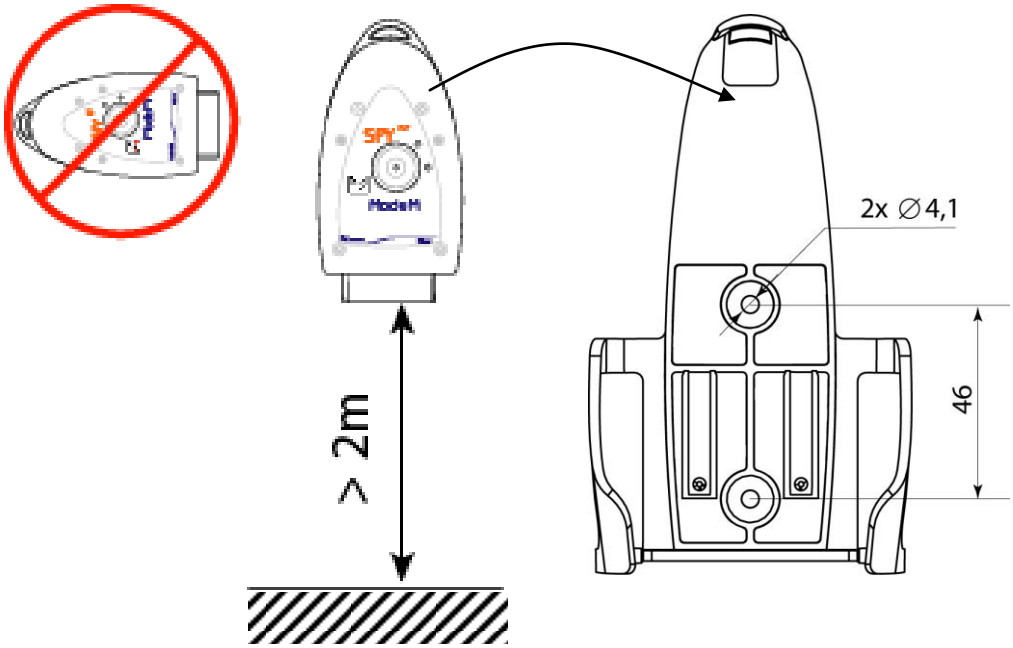


IV. INSTALLATION

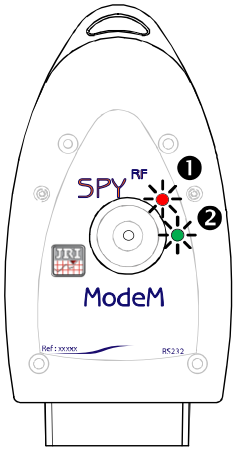
a) Installation recommendations

- Place the devices at ~2m high and around 30 to 40cm from the ceiling to avoid obstacles and moving persons.
- If possible, place the Spy RF in central position regarding the Spy RF recorders.
- Try to place them preferably at sight of Spy RF Recorders .
- On the wall, it is preferable to them aside by using the special bracket (ref 08512) of the catalog.
- Never place the Spy RF ModeM horizontally.

b) Installation of wall-mounting bracket



V. LEDS' INDICATIONS



General

❶ = *ModeM-PC dialog*

❷ = *Radio communication*

Standby

❶+❷ = *1 Flash every seconds*

Instantaneous reading

❶+❷ = *1 Flash during reading*

Upload memory

❶+❷ Fast flashing along the *transfer duration*

❶= *red led*
❷= *green led*

VI. CHARACTERISTICS

Radio band	868MHz or 902MHz*
Operating range	-40°C +85°C
Storage conditions	-30 + 70°C / 0-90% *not condensed*
Emitting power	25 / 500mW
power supply	9VDC / 0,3A**
Dimensions	123x69x30mm
CE ERM FCC conformity	EN 301 489 / EN 61000 / EN 61010 EN 55022 / EN 300 220
FCC conformity	FCC part 15*

* Only for Spy RF USB ** Included for Europe market

VII. WARRANTY

JRI products carry a one year warranty and guarantee against defects in their components or workmanship.
During this period if any product supplied by the Company proves on inspection to be defective, the Company will at its own option replace the same or refund to the Buyer the price of the product.
In no circumstances will JRI' liability exceed the price of the product paid by the buyer or the cost of replacement.
JRI shall not in any event be liable to the Buyer for any indirect or consequential loss or damage costs or expenses whatsoever which might arise out of or in connection with the supply of the product or its consequent use.
Consequently, the products warrantee and guarantee specified above, does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification, or use with non-JRI' hardware/software. No warranty of fitness for a particular purpose is offered and the user assumes the entire risk of using the product.
In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

VIII. MAINTENANCE CONTRACT

How to optimize your radio frequency installation?

RF measuring systems communicate by radio frequency. However, there may be several factors that can modify the radio ways already defined, such as moving from a building, adding walls, … Radio frequency requires thus a periodical follow up performed by specialists.

That's why JRI has created maintenance contracts. We bring you a global solution which makes your maintenance easier. This overall service offer includes maintenance and also metrological services, which ensure you that your system is fully performant.

You won't worry about your devices maintenance anymore !

With this maintenance contract you will benefit for a minimal period of 2 years from the following advantages:

- material verification once or twice a year
- warranty extension
- telemaintenance
- telephone assistance **+33 (0) 892 680 933 (0,282 € HT/min)**
- material replacement on site or by return in our manufacture
- metrological certificates: verification of measurement accuracy
- access to new software versions and updates
- on-site intervention time within 3 open days after problem identification by our experts

IX. ENVIRONMENT PROTECTION

JRI recommends to our customers to throw away their measuring and recording devices which are unserviceable and/or beyond repair in a way that is appropriate to environment protection. As the production of waste cannot be avoided, it is best to re-use them by proceeding with adapted recycling depending on the material used and considering the environment protection.

RoHS Directive

The ROHS European Directive rules and limits the presence of hazardous substances in electrical and electronic equipments (EEE).

In the article 2, the scope of this Directive excludes "9. Monitoring and Control Instruments" and our products are part of this category.
Nevertheless, our company has decided to apply the whole dispositions of this Directive for all our new electronic devices which will comply to this 2002/95/CE Directive.